



09/824459

C25

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): David Allen Pittman
Assignee: Cesura, Inc.
Title: FOLDED FABRIC SWITCHING ARCHITECTURE
Patent No.: 6,977,925 B2 Issued: December 20, 2005
Atty. Docket No.: VIEO1111

MS: Certificate of Corrections Branch
COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT—
PTO MISTAKE (37 C.F.R. § 1.322(a))**

Dear Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322(a), please issue a Certificate of Correction in the above-identified matter. The mistakes to be corrected were made by the Office.

1. Attached hereto is Form PTO/SB/44.
2. The exact pages where the errors are shown correctly in the application file:
Reply to Office Action dated June 7, 2005; page number 3 of 7, claim 9, and page number 4 of 7, claim 9 (a copy of which is attached).

Please send the Certificate to:

George R. Meyer
TOLER, LARSON & ABEL, LLP
5000 PLAZA ON THE LAKE, SUITE 265
AUSTIN, TX 78746

Certificate
JAN 06 2006

Respectfully submitted, **of Correction**

George R Meyer
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12/29/2005
Date

JAN 09 2006

Patent No.: 6,977,925 B2

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 6,977,925 B2
APPLICATION NO.: 09/824,459
ISSUE DATE : December 20, 2005
INVENTOR(S) : David Allen Pittman

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 10, line 18: please change "steps of;" to "steps of:"

Column 10, line 24: please change the word "trough" to "through"

MAILING ADDRESS OF SENDER (Please do not use customer number below):

TOLER, LARSON & ABEL, LLP
5000 Plaza on the Lake, Ste 265
Austin, TX 78746

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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JAN 09 2006



COPY

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): David Allen Pittman

Title: FOLDED FABRIC SWITCHING ARCHITECTURE

App. No.: 09/824,459

Filed: April 2, 2001

Examiner: Afsar M. Qureshi

Group Art Unit: 2667

Customer No.: 34456

Confirmation No.: 9514

Atty. Dkt. No.: 5431.15-1 (VIEO1111)

MS AMENDMENT
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

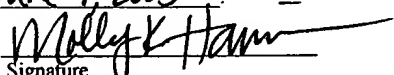
REPLY TO OFFICE ACTION

Dear Commissioner:

In response to the Office Action mailed March 22, 2005, please amend the above-identified application as follows:

Claim Amendments begin on page 2.

Remarks begin on page 6.

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents on <u>June 9, 2005</u> .	
Molly K. Harrison	
Typed or Printed Name	Signature

Claim Amendments:

1. (Original) A switching device for establishing communication paths between at least a first and second input/output port, said device comprising:

a first printed circuit board having a first plurality of input/output ports connected thereto;
a first switching fabric respectively connected by a first plurality of communication channels to each of the first plurality of input/output ports;
a second printed circuit board having a second plurality of input/output ports connected thereto;
a second switching fabric respectively connected by a second plurality of communication channels to each of the second plurality of input/output ports; and
an electrical connector removeably connectable to the first and second printed circuit boards and operable to provide electrical communications therebetween, the first and second plurality of output ports being mutually oriented in a common direction.

2. (Original) The switching device according to claim 1, wherein the first and second switching fabrics are operable to transfer electrical signals therebetween when the electrical connector is connected to the first and second printed circuit boards.

3. (Original) The switching device according to claim 1, wherein the electrical connector comprises a male-female electrical connector.

4. (Original) The switching device according to claim 1, wherein the first and second switching fabrics are respectively operable to establish electrical communication paths between any of the first plurality of input/output ports and the second plurality of input/output ports.

5. (Original) The switching device according to claim 1, wherein the first and second switching fabrics are collaboratively operable to establish electrical communication paths between any of the first plurality of input/output ports and any of the second plurality of

input/output ports when the electrical connector is connected to the first and second printed circuit boards.

6. (Original) The switching device according to claim 1, wherein each channel of the first and second plurality of communication channels respectively comprise at least one signal trace.

7. (Original) The switching device according to claim 5, wherein the first printed circuit board is connected to a first side of the electrical connector and the second printed circuit board is connected to a second side of the electrical connector, the first and second sides of the electrical connector being significantly parallel.

8. (Original) The switching device according to claim 7, wherein the first printed circuit board has a majority of active electronic components mounted on a first surface thereof, the second printed circuit board has a majority of active electronic components mounted on a first surface thereof, the first surface of the first printed circuit board and the first surface of the second printed circuit board oriented in opposing directions.

9. (Currently Amended) A method for establishing communication paths between a first input/output port of a first printed circuit board and a second input/output port, said method comprising the steps of:

receiving, on a communication cable, an electrical signal at the first input/output port;
transmitting, on a first communication channel connected to the first input/output port,
the electrical signal to a first switching fabric on the first printed circuit board;
establishing a communication path between the first communication channel and a
second communication channel by the first switching fabric;
transmitting, on the second communication channel, the electrical signal to the second
input/output port,

wherein:

the second input/output port is connected to a second printed circuit board; and
said step of establishing further comprising the steps of:

providing a connection to an electrical connector by said first switching fabric, the electrical connector connected to the first printed circuit board and the second printed circuit board;
transmitting, by said first switching fabric, the electrical signal to the second switching fabric through the electrical connector; and
establishing, by the second switching fabric, a communication path between the second input/output port and the second switching fabric.

10. (Original) The method according to claim 9, wherein the second input/output port is connected to the first printed circuit board.

11. (Original) The method according to claim 9, wherein the first and second communication channels respectively comprise at least one signal trace.

12. (Canceled)

13. (Currently Amended) The method according to claim 129, wherein the electrical connector comprises a male-female electrical connector.

14. (Currently Amended) The method according to claim 129, wherein the first printed circuit board and the second printed circuit board are respectively connected to opposing surfaces of the electrical connector, the first and second printed circuit boards being oriented substantially in parallel.

15. (Original) A switching device for establishing communication paths between at least a first and second input/output port, said device comprising:

a first printed circuit board having a first plurality of input/output ports connected thereto;
a switching fabric respectively connected by a first plurality of communication channels to each of the first plurality of input/output ports, the switching fabric located on the first printed circuit board;
a second printed circuit board having a second plurality of input/output ports connected thereto; and

an electrical connector removeably connectable to the first and second printed circuit boards and operable to provide electrical communications therebetween, the second plurality of input/output ports connectable to the electrical connector by a second plurality of communication channels.

16. (Original) The switching device according to claim 15, wherein the first and second plurality of output ports are mutually oriented in a common direction.

17. (Original) The switching device according to claim 15, wherein the switching fabric is operable to transfer electrical signals between any one of the first plurality of input/output ports and the second plurality of communication ports when the electrical connector is connected to the first and second printed circuit boards.

18. (Original) The switching device according to claim 15, wherein the electrical connector comprises a male-female electrical connector.

19. (Original) The switching device according to claim 15, wherein each channel of the first and second plurality of communication channels respectively comprise at least one signal trace.

20. (Original) The switching device according to claim 15, wherein the first printed circuit board is connected to a first side of the electrical connector and the second printed circuit board is connected to a second side of the electrical connector, the first and second sides of the electrical connector being significantly parallel.

21. (Original) The switching device according to claim 15, wherein the first printed circuit board has a majority of active electronic components mounted on a first surface thereof, the second printed circuit board has a majority of active electronic components mounted on a first surface thereof, the first surface of the first printed circuit board and the first surface of the second printed circuit board oriented in opposing directions.

REMARKS

Claims 1-8 and 15-21 are allowed, claims 9-11 stand rejected, and claims 12-14 are indicated as including allowable subject matter but stand objected to as depending from a rejected base claim. Applicant is amending claims 9, 13, and 14 and canceling claim 12 without prejudice or disclaimer. Applicant submits that the amendments do not add new matter to the current Application.

The Office Action indicates that claims 9-11 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,689,506 ("Chiussi"). The Office Action also indicates that claims 12-14 include allowable subject matter. Applicant is amending claim 9 to include the limitations of originally filed claim 12, and canceling claim 12. Claims 13 and 14 are being amended to depend from claim 9 instead of claim 12. The changes to claims 9, 13, and 14 do not change the scope of originally filed claims 12-14, and therefore, Applicant submits that claims 9, 13, and 14 should be given a full scope of equivalents under the doctrine of equivalents as claims 9, 13, and 14 are not substantively different from claims 12-14, as originally filed.

Applicant thanks the Examiner for pointing out allowable subject matter, as this greatly helps to speed up prosecution. Applicant respectfully submits that the present application is now in condition for allowance. Accordingly, the Examiner is requested to issue a Notice of Allowance for all pending claims.

Applicant does not believe that any additional fees are due, however if the Commissioner believes additional fees are due, the Commissioner is hereby authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account Number 50-2469.

Respectfully submitted,

6/7/2005
Date

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Flight: Dallas to Los Angeles

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 Terminal B Terminal 4 Duration: 2hr 39mn

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 Flight: 708

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Phoenix (PHX) to **Los Angeles (LAX)** 373 mi
 Depart 5:26 pm Arrive 5:50 pm (600 km)
 Terminal 4 Terminal 1 Duration: 1hr 24mn

AMERICA WEST
 Flight: 708

Economy/Coach Class ([Seat assignments upon check-in](#) [i](#) [More Information](#)), Boeing 757, 90% on time

Total distance: 1245 mi (2004 km)

Total duration: 4hr 3mn (5hr 5mn with connections)

Fri 6-Jan-06

Los Angeles (LAX) to **Dallas (DFW)** 1240 mi
 Depart 6:33 pm Arrive 11:26 pm (1996 km)
 Terminal 4 Terminal C Duration: 2hr 53mn

AA
 Flight: 2468

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Total distance: 1240 mi (1996 km)

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